

Title (en)

Method and device for determining frequency sweep for seismic source

Title (de)

Verfahren und Vorrichtung zur Bestimmung des Frequenzhubs für eine seismische Quelle

Title (fr)

Procédé et dispositif de détermination de balayage de fréquence de source sismique

Publication

EP 2743733 A3 20171122 (EN)

Application

EP 13197018 A 20131212

Priority

US 201261736781 P 20121213

Abstract (en)

[origin: EP2743733A2] Controller and method for generating a frequency sweep for a seismic survey that uses a seismic source. The method includes receiving (1000) specification data about the seismic source (1110); receiving (1002) environmental data (300) about an infrastructure affected by the seismic survey; receiving (1004) guideline data about the infrastructure; setting (1006) a target energy spectrum density to be emitted by the seismic source (1110) during the seismic survey; and calculating (1008), in a processor (1202), the frequency sweep based on the specification data, environmental data, guideline data and the target energy spectrum density.

IPC 8 full level

G01V 1/00 (2006.01)

CPC (source: EP US)

G01V 1/005 (2013.01 - EP US)

Citation (search report)

- [X1] US 2011085416 A1 20110414 - SALLAS JOHN J [US]
- [X1] US 2009076730 A1 20090319 - JOHNSON MARVIN L [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2743733 A2 20140618; EP 2743733 A3 20171122; EP 2743733 B1 20230208; AU 2013266986 A1 20140703; CA 2836023 A1 20140613; US 2014169132 A1 20140619; US 9671509 B2 20170606; ZA 201309275 B 20150128

DOCDB simple family (application)

EP 13197018 A 20131212; AU 2013266986 A 20131203; CA 2836023 A 20131205; US 201314082503 A 20131118; ZA 201309275 A 20131209